

# MECHANICAL DOCK LEVELER

## KM - SUBMITTAL SHEET

### Product Description

The KM Mechanical Dock Leveler is designed to bridge the gap between a warehouse floor and a transport vehicle, facilitating the safe and efficient loading and unloading of goods. It is operated via a manual pull-chain mechanism that activates a spring system, allowing for easy height adjustment without the need for electrical power. The Hold Down Mechanism secures the dock leveler in a closed position, preventing unintended movement during loading and unloading operations. The Lift Spring Assembly facilitates the easy lifting and lowering of the dock, ensuring controlled motion for optimal operator safety.

### General Data

**Capacity:** 35.000 lbs, 45.000 lbs, 60.000 lbs

**Platform Size:** 6' x 6', 6' x 8', 7' x 6', 7' x 8'

(Additional measures can be provided upon request.)

**Lip Length:** 16", 18", 20"

**Operating Range** (Depends on the Length of the Dock):

- 6ft Length: 10" above and 10" below dock height
- 8ft Length: 12" above and 12" below dock height

### Materials & Constructions

#### Platform:

Constructed of 1/4" Diamond Plate Sheet Metal

Quality: ASTM A36

#### Platform Reinforcement:

(Depends on the Capacity)

- < 35.000 Lbs: 4" I beam. Quality: ASTM A36
- > 35.000 Lbs: 6" I beam. Quality: ASTM A36

(Depends on the Width)

- 6tf Width: 8 Heavy duty I beam 4". ASTM A36
- 7tf Width: 10 Heavy duty I beam 4". ASTM A36

#### Front and Rear Header Plate:

Heavy-duty steel frame with gusset reinforcements

#### Lip:

Made of 1/2" Diamond Plate Sheet Metal.

Quality: ASTM A36

#### Lip hinge:

(Depends on the Capacity)

- < 35.000 Lbs: Reinforced with plates and 1" shaft.
- > 35.000 Lbs: Reinforced with plates and 1 1/4" shaft.

MODEL	DIM.	CAPACITY
KH6635	6 ft x 6 ft	35.000 Lbs
KH6645	6 ft x 6 ft	45.000 Lbs
KH6660	6 ft x 6 ft	60.000 Lbs
KH6835	6 ft x 8 ft	35.000 Lbs
KH6845	6 ft x 8 ft	45.000 Lbs
KH6860	6 ft x 8 ft	60.000 Lbs
KH7635	7 ft x 6 ft	35.000 Lbs
KH7645	7 ft x 6 ft	45.000 Lbs
KH7660	7 ft x 6 ft	60.000 Lbs
KH7835	7 ft x 8 ft	35.000 Lbs
KH7845	7 ft x 8 ft	45.000 Lbs
KH7860	7 ft x 8 ft	60.000 Lbs

### Competitive Features

#### Safety and Efficiency

- Hold Down Mechanism
- Platform Maintenance Prop
- Safety leg.
- +-12" Service range.
- Safety Baseboards

#### Reliability & Durability

- Reinforced structure & hinges.
- Anti-corrosion treatment.

#### Easy Use

- Lift Spring Assembly

#### Customization

- Lip length.
- Dock size.
- Capacity.

#### After-Sales Service

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### Installation Requirements

#### Pit Requirements

- Front Depth: 20"
- Rear Depth: 19"
- Width:
  1. 6 tf Width: 74" Width
  2. 7 tf Width: 85" Width
- Length
  1. 6 tf Length: 63" Width
  2. 8 tf Length: 87" Width
- Level tolerance: +/- 0.25"

#### Mounting






- Welded to the concrete pit edges

### Maintenance Requirements

#### Preventive Maintenance:

- Lubrication of moving parts every 3 months.
- Inspection of all components annually.
- Check for wear and tear on lip and platform.

### Options and Accesories

- Steel Faced Dock Bumpers.
- 6" Thick Dock Bumpers.
- Vertical Bumpers.
- Dock Lights.
- Lip Keeper.
- Safety Wheel chocks.
- Available lip size: 16", 18", 20".
- Available lip typology options:
  1. Chamfer: The lip narrows towards the tip.
  2. Segmented lip: The lip is segmented into multiple parts to adapt to the width of the different vehicles being operated.
- Other finishing options:
  - Lacquered:
    1. Gray RAL 7011 
    2. Blue RAL 5010 
  - Stainless steel.
  - Hot dip galvanized.
  - Zinc powder primer:
    1. Black RAL 9005 
    2. Gray RAL 7011 
    3. Blue RAL 5010 

### Compliance Standards

#### The Mechanical Dock leveler complies with the following standards and codes:

- ANSI MH30.1: Safety standards for dock levelers.
- OSHA 1910.26: Requirements for dock boards.
- UL 508A: Certification for electrical control panels.

### Warranty

#### Coverage:

- 10-year structural warranty.
- 1-year hydraulic system warranty.
- Exclusions: Damage due to improper use, overloading, or lack of maintenance.

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### Approval Section

CLIENT	
COMPANY	
JOB	
ADDRESS	
QUANTITY	
MODEL	
SIZE	
CAPACITY	
SUPPLY VOLTAGE	
DATE	

### Signs

APPROVED BY	
CONTRACTOR	
ENGINEER	
CLIENT / OWNER	